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CLAIMS**1. (Previously Presented)** An active-matrix addressing LCD device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels,

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

wherein a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs is inverted in every set of two or more horizontal synchronizing periods by the controller circuit;

wherein the source driver has a resetting means for resetting the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set; and

wherein the resetting means performs its resetting operation with reference to a latch signal supplied to the source driver circuit by the controller circuit.

**2. (Canceled)**

**3. (Original)** The device according to claim 1, wherein each of the data voltages alternately has a positive value or a negative value in the polarity inversion period; and wherein the resetting

means is controlled in such a way that each of the data voltages will reach a middle point value between the positive value and the negative value after the resetting operation is completed.

**4. (Original)** The device according to claim 1, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.

**5. (Original)** The device according to claim 1, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods within every frame period, thereby driving the device by a 2-H line inversion method.

**6. (Previously Presented)** An active-matrix addressing LCD device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, gate lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

wherein a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs is inverted in every set of two or more horizontal synchronizing periods by the controller circuit;

wherein the source driver has a polarity inverting means for inverting the polarity of the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set; and

wherein the polarity inverting means performs its polarity-inverting operation with reference to a latch signal and a polarity-inverting signal, which are supplied to the source driver circuit by the controller circuit.

**7. (Canceled)**

**8. (Original)** The device according to claim 6, wherein the polarity inverting means is controlled in such a way that each of the data voltages will reach a value of an opposite polarity after the polarity-inverting operation is completed.

**9. (Original)** The device according to claim 6, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.

**10. (Original)** The device according to claim 6, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods within every frame period, thereby driving the device by a 2-H line inversion method.

**11. (Previously Presented)** A method of driving an active-matrix addressing LCD device, the device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

the method comprising

inverting a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs in every set of two or more horizontal synchronizing periods; and

resetting the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set;

wherein an operation of resetting the data voltages is performed with reference to a latch signal supplied to the source driver circuit by the controller circuit.

**12. (Canceled)**

**13. (Original)** The method according to claim 11, wherein each of the data voltages alternately has a positive value or a negative value in the polarity inversion period; and wherein an operation

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of the resetting the data voltages is performed in such a way that each of the data voltages will reach a middle point value between the positive value and the negative value after the resetting operation is completed.

**14. (Original)** The method according to claim 11, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame, period, thereby driving the device by a 2-H dot inversion method.

**15. (Original)** The method according to claim 11, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods within every frame period, thereby driving the device by a 2-H line inversion method.

**16. (Previously Presented)** A method of driving an active-matrix addressing LCD device, the device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

the method comprising:

inverting a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs, in every set of two or more horizontal synchronizing periods; and

inverting the polarity of the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set;

wherein an operation of inverting the polarity of the data voltages is performed with reference to a latch signal and a polarity-inverting signal, which are supplied to the source driver circuit by the controller circuit.

**17. (Canceled)**

**18. (Original)** The method according to claim 16, wherein an operation of inverting the polarity of the data voltages is performed in such a way that each of the data voltages will reach a value of an opposite polarity after the polarity-inverting operation is completed.

**19. (Original)** The method according to claim 16, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.

**20. (Original)** The method according to claim 16, wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods within every frame period, thereby driving the device by a 2-H line inversion method.

**21. (Previously Presented)** An active-matrix addressing LCD device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

wherein a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs is inverted in every set of two or more horizontal synchronizing periods by the controller circuit;

wherein the source driver has a resetting means for resetting the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set; and

wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.

**22. (Previously Presented)** An active-matrix addressing LCD device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix

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substrate having data lines, gate lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

wherein a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs is inverted in every set of two or more horizontal synchronizing periods by the controller circuit;

wherein the source driver has a polarity inverting means for inverting the polarity of the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set; and

wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.

**23. (Previously Presented)** A method of driving an active-matrix addressing LCD device, the device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels



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arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;

a gate driver circuit for driving the scanning lines; and

a controller circuit for controlling the source driver and the gate driver;

the method comprising:

inverting a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs in every set of two or more horizontal synchronizing periods; and

resetting the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set;

wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame, period, thereby driving the device by a 2-H dot inversion method.

**24. (Previously Presented)** A method of driving an active-matrix addressing LCD device, the device comprising:

a panel including an active-matrix substrate, an opposite substrate, and a liquid crystal layer sandwiched by the active-matrix substrate and the opposite substrate, the active-matrix substrate having data lines, scanning lines that intersect with the data lines at intersections, pixels arranged near the respective intersections, and TFTs arranged as switching elements for the respective pixels;

a source driver circuit for driving the data lines;  
a gate driver circuit for driving the scanning lines; and  
a controller circuit for controlling the source driver and the gate driver;  
the method comprising:

inverting a polarity of a data voltage applied to each of the pixels by way of a corresponding one of the data lines and a corresponding one of the TFTs, in every set of two or more horizontal synchronizing periods; and

inverting the polarity of the data voltages outputted by the source driver circuit in a blanking period of each of the horizontal synchronizing periods of the set;

wherein the polarity of the data voltages supplied by way of the data lines is alternately inverted in every set of the two horizontal synchronizing periods and in every vertical synchronizing period within every frame period, thereby driving the device by a 2-H dot inversion method.